## AMENDMENT TO THE ABSTRACT

## **ABSTRACT**

Disclosed is an in-situ process that prevents pattern collapse from occurring after they have been etched in S02-containing plasmas. The developed process involving treating the etched wafer to another plasma comprising of a chemically reducing gas such as  $\frac{Hz}{H_2}$ . This treatment chemically reduces the hygroscopic sulfites/sulfates left on the surface after the main etch step. The lower sulfite/sulfate concentration on the wafer translates into considerably less moisture pick up and prevents high aspect ratio feature collapse.

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